



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lehn, J.M., et al.

Application No: 10/649,583

Filing Date: August 26, 2003

Entitled: *Ammonium Salts of Inositol
Hexaphosphate, and Uses Thereof*

Examiner: Not Yet Assigned

Group Art : 1614

Docket No.: GMX-007.02

CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, V.A., 22313-1450, on February 25, 2004.


Steve Pereira

Commissioner for Patents
P.O. Box 1450
Alexandria, V.A. 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97 (b)(1), Applicants submit herewith a Form PTO-1449 including the listed publications.

Under 35 U.S.C. §120, this application has the benefit of the earlier filing date of the parent applications Serial No. 09/920,140, filed August 1, 2001, which claims priority to 60/222,089 filed August 1, 2000.

Copies of references A1-A20, B1-B7 and C1-C14 were submitted in an Information Disclosure Statement filed on January 9, 2002, in parent application Serial No. 09/920,140. References B-8-B11 and C15 were submitted in a Supplemental Information Disclosure Statement in the same parent application mailed November 16, 2002. Therefore, copies of references are not provided herewith, pursuant to 37 C.F.R. § 1.98(d).

Applicants respectfully request that the Examiner consider the listed documents and indicate that each was considered by making appropriate notations on the attached Form 1449.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies a listed document as prior art against any claim in the patent application or a related application and Applicants determine that the cited document does not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such document.

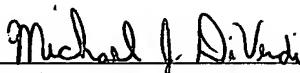
Applicants further reserve the right to take appropriate action to establish the patentability of claims over the listed documents should the any of the documents be applied against the claims of the present application or of a related application.

Under 37 C.F.R. § 1.97 (b)(3), this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits; therefore, no fee is believed to be due in connection with this submission. However, the Commissioner is authorized to charge any deficiencies or credit any overpayment to/from our **No. 06-1448**.

Respectfully submitted,
FOLEY HOAG LLP

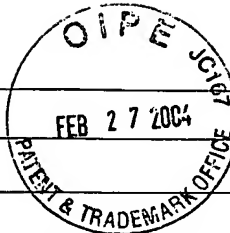
Dated: February 25, 2004

Customer No. 25,181
Patent Group
FOLEY HOAG LLP
155 Seaport Blvd
Boston, MA 02210-2600
Tel.: (617) 832-1230
Fax: (617) 832-7000



Michael J. DiVerdi, Ph.D.
Reg. No. 51,620
Agent for Applicants

Form PTO-1449

INFORMATION DISCLOSURE CITATION**IN AN APPLICATION***(Use several sheets if necessary)*Docket Number (Optional)
GMX-007.02Applicant
Lehn, J.M. et al.Filing Date
August 26, 2003Application Number
10/649,583Group Art Unit
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	US 3,847,738	11/12/74	Brake et al.	195	1.8
	A2	US 4,546,095	10/08/85	Markov	514	23
	A3	US 4,699,926	10/13/87	Abraham et al.	514	563
	A4	US 4,731,381	03/15/88	Abraham et al.	514	571
	A5	US 4,731,473	03/15/88	Abraham et al.	562	464
	A6	US 4,751,244	06/14/88	Abraham et al.	514	563
	A7	US 4,757,052	07/12/88	Markov	514	23
	A8	US 4,849,416	07/18/89	Pendleton et al.	514	150
	A9	US 4,861,795	08/29/89	Suh et al.	514	510
	A10	US 4,866,052	09/12/89	Hider et al.	514	184
	A11	US 4,887,995	12/19/89	Abraham et al.	604	4
	A12	US 4,948,582	08/14/90	Suh et al.	424	529
	A13	US 5,015,663	05/14/91	Suh et al.	514	510
	A14	US 5,039,665	08/13/91	Markov	514	23
	A15	US 5,296,466	03/22/94	Kilbourn et al.	514	6
	A16	US 5,344,393	09/06/94	Roth et al.	604	4
	A17	US 5,428,007	06/27/95	Fisher et al.	514	6
	A18	US 5,451,205	09/19/95	Roth et al.	604	6
	A19	US 5,612,207	03/18/97	Nicolau et al.	435	173.6
	A20	US 5,906,915	05/25/99	Payrat et al.	435	2

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	B1	JP 51-108020	09/25/76	Japan		English Translation of Japanese Patent Abstract	
	B2	JP 55-147295	11/17/80	Japan		English translation of Japanese Patent Abstract	
	B3	EP 0 146 338 A2	06/26/85	European Patent Application			X
	B4	WO 92/20369	11/26/92	PCT			X

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	B5	WO 92/20368	11/26/92	PCT				X
	B6	WO 93/16688	09/02/93	PCT				X
	B7	WO 94/21117	09/29/94	PCT				X
	B8	WO 95/03068	02/02/95	PCT				X
	B9	WO 97/42819	11/20/97	PCT				X
	B10	WO 01/13933 A2	03/01/01	PCT				X
	B11	WO 01/24830 A2	04/12/01	PCT				X

OTHER DOCUMENTS*(Including Author, Title, Date, Pertinent Pages Etc.)*

	C1	Hirst et al.; "The Modification of Hemoglobin Affinity For Oxygen and Tumor Radiosensitivity by Antilipidemic Drugs", Radiation Research 112: 164-172, (1987)
	C2	Ogata and McConnell.; "Triphosphate Spin-Label Studies of Allosteric Interactions In Hemoglobin", Annals of the New York Academy of Sciences, 222: 56-67, (December 31, 1973)
	C3	Ruckpaul et al.; "Interaction of Hemoglobin with Ions Allosteric Effects of the Binding of Anions", Biochimica et Biophysica Acta 236:211-221, (1971)
	C4	Benesch and Benesch; "The Effect of Organic Phosphates From the Human Erythrocyte on the Allosteric Properties of Hemoglobin", Biochemical and Biophysical Research Communications, 26 (2): 163-167, (1967)
	C5	Lalezari et al.; "New Effectors Of Human Hemoglobin: Structure and Function", Biochemistry 29: 1515-1523, (1990)
	C6	Abraham et al.; "Design, Synthesis, and Testing of Potential Antisickling Agents. I. Halogenated Benzyloxy and Phenoxy acids", J. Med. Chem. 25: 1015-1017, (1982)
	C7	Teisseire et al.; "Physiological Effects of High -P ₅₀ Erythrocyte Transfusion on Piglets", Journal of Applied Physiology, 58(4): 1810-1817, (April 1985)
	C8	Brooksbank and Balazs; "Superoxide Dismutase and Lipoperoxidation in Down's Syndrome Fetal Brain ", The Lancet 1: 881-882, (April 16, 1983)
	C9	Benesch and Benesch; "Intracellular Organic Phosphates as Regulators of Oxygen Release by Haemoglobin", Nature, 221: 618-622, (February 15, 1969)
	C10	Arnold Arthur; "X-ray Diffraction Study of Binding of 2,3-Diphosphoglycerate to Human Deoxyhaemoglobin", Nature 237: 146-149, (May 19, 1972)
	C11	Abraham et al.; "Physiological and X-ray Studies of Potential Antisickling Agents", Proc. Natl. Acad. Sci. USA, 80:324-328, (January 1983)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

OTHER DOCUMENTS*(Including Author, Title, Date, Pertinent Pages Etc.)*

C12

Teisseire et al.; "Long-term Physiological Effects of Enhanced O₂ Release by Inositol Hexaphosphate-Loaded Erythrocytes", Proc. Natl. Acad. Sci. USA, 84: 6894-6898, (October 1987)

C13

Lalezari et al.; "LR16, a Compound with Potent Effects on the Oxygen affinity of Hemoglobin, on Blood Cholesterol, and on Low Density Lipoprotein", Proc. Natl. Acad. Sci. USA, 85: 6117-6121, (August 1988).

C14

Bruggemann et al.; "Low Oxygen-Affinity Red Cell Produced In a Large-Volume, Continuous-Flow Electroporation System", Transfusion 35(6): 478-485, (June 1995)

C15

International Search Report Completed on december 13, 2001 and mailed on December 27, 2001

C16

C17

C18

C19

C20

C21

C22

C23

C24

C25

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